

Stratigraphy and lithologic features of the drilling cores from Lake Inawashiro, Tohoku, Japan.

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Lake Inawashiro successively remains paleoenvironmental records -climate changes, volcanic activities, and anthropogenic activities-. In this study, sediment cores are obtained from the vicinity of the depocentre of the lake, 90 m in water depth. Parallel sets of the two cores (INW2012-1 and 2) are recovered for complete records, and integrated by correlation of the lithological features.

INW2012 is sectionalized into two units (Unit 1 and 2). We report the detailed lithological features, dating and preliminary result about chemical components and diatom assemblages in the lecture.

Keywords: Lake Inawashiro, lithostratigraphy, tephra, Paleoenvironmental change, diatom assemblage, chemical components